

ABSTRACT

Disclosed herein is a one-piece golf ball formed by
5 vulcanization from a rubber composition composed of 100 parts
by weight of rubber base material, 10 to 40 parts by weight
of unsaturated carboxylic acid, 10 to 60 parts by weight of
metal oxide, and 0.9 to 5 parts by weight of organic peroxide,
said rubber base material containing 60 to 100 % by weight
10 based on the weight of a polybutadiene which is synthesized
with a catalyst of rare earth element, contains no less than
60% of cis-1,4-linkage, and has a Mooney viscosity
($ML_{1+4}(100^{\circ}C)$) no less than 40. This golf ball has good shot
feeling and high rebound resilience and is easy to produce by
15 extrusion.